Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/22/2019 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126997	1	1.24	127058	1.21
Blue	F	SSC	125000	124988	-1	1.67	125766	1.63
Blue	E	FITC	16122	15714	-3	2.63	343	20.25
Blue	D	PE	29316	28760	-2	1.84	628	14.29
Blue	B	PerCP-Cy5-5	42590	42023	-2	3.57	1136	19.94
Blue	A	PE-Cy7	33146	32667	-2	5.96	623	39.94
Red	C	APC	45473	45009	-2	2.40	1595	12.10
Red	A	APC-Cy7	31961	31046	-3	2.32	820	11.87
Violet	B	V450	7914	7437	-7	5.17	414	13.80
Violet	A	V500	29769	28485	-5	5.00	662	11.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21558	3.58	609	9	N/A	N/A	Pass
Blue	F	SSC	56767	1.14	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0195	143	Pass
Blue	D	PE	131	49.42	541	4	0.1850	321	Pass
Blue	B	PerCP-Cy5-5	207	49.78	642	4	0.0095	79	Pass
Blue	A	PE-Cy7	118	100.74	695	4	0.0116	25	Pass
Red	C	APC	378	25.26	583	4	0.0244	146	Pass
Red	A	APC-Cy7	181	28.29	559	3	0.0056	889	Pass
Violet	B	V450	64	61.58	464	4	0.0502	2209	Pass
Violet	A	V500	99	36.70	477	5	0.0234	1258	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.32	-31.90	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.13	13.60 - 20.40	N/A	N/A	29.42	29.83	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12804

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments